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OM protein - protein search, using sw model

Run on: November 30, 2002, 12:29:03 ; Search time 9.25373 Seconds
(without alignments)
1066.922 Million cell updates/sec

Title: US-10-054-680-4
Perfect score: 3228
Sequence: 1 MAMLRQLPLTSALFLHFLVLT.....ADYGRGQEDSRDGRKASIG 620

Scoring table: BIOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 102317 seqs, 15924203 residues

Total number of hits satisfying chosen parameters: 102317

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database :

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14: /cgn2_6/ptodata/2/pubpaa/US60_PUBCOMB.pep:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	3228	100.0	620	US-10-054-680-4	Sequence 4, Appl1
2	3093	95.8	921	US-09-804-474A-2	Sequence 2, Appl1
3	3093	95.8	921	US-10-054-680-2	Sequence 2, Appl1
4	3016	93.4	927	US-09-804-474A-4	Sequence 4, Appl1
5	2147.5	66.5	970	US-09-901-419-2	Sequence 2, Appl1
6	2143.5	66.4	609	US-09-864-761-33429	Sequence 3, Appl1
7	203.5	6.3	661	US-10-094-214-5	Sequence 5, Appl1
8	180.5	5.6	603	US-09-961-679-2	Sequence 2, Appl1
9	116.5	3.6	584	US-10-094-214-2	Sequence 2, Appl1
10	113.5	3.5	152	US-10-094-214-4	Sequence 4, Appl1
11	99.5	3.1	569	US-09-931-147-2	Sequence 2, Appl1
12	97.5	3.0	316	US-09-961-679-4	Sequence 4, Appl1
13	97.5	3.0	353	US-09-961-679-6	Sequence 6, Appl1
14	95	2.9	420	US-09-844-006A-2	Sequence 2, Appl1
15	95	2.9	591	US-09-815-242-5662	Sequence 5662, Ap
16	93.5	2.9	1381	US-09-930-871-8	Sequence 8, Appl1
17	93.5	2.9	1387	US-09-930-871-10	Sequence 10, Appl
18	93.5	2.9	1392	US-09-930-871-18	Sequence 18, Appl
19	93.5	2.9	1398	US-09-930-871-20	Sequence 20, Appl

20	93.5	2.9	1442	US-09-930-871-6	Sequence 6, Appl1
21	93.5	2.9	1453	US-09-930-871-16	Sequence 16, Appl
22	93.5	2.9	1962	US-09-930-871-4	Sequence 4, Appl1
23	93.5	2.9	1973	US-09-930-871-14	Sequence 14, Appl
24	93.5	2.9	1998	US-09-930-871-2	Sequence 2, Appl1
25	93.5	2.9	2009	US-09-930-871-12	Sequence 12, Appl
26	91.5	2.8	431	US-09-862-767A-8	Sequence 8, Appl1
27	91.5	2.8	436	US-09-862-767A-4	Sequence 4, Appl1
28	91.5	2.8	631	US-09-862-767A-2	Sequence 2, Appl1
29	91.5	2.8	684	US-09-815-242-10712	Sequence 10712, A
30	91	2.8	475	US-09-815-242-10052	Sequence 10052, A
31	90	2.8	497	US-09-892-325-4	Sequence 4, Appl1
32	90	2.8	500	US-09-883-797-12	Sequence 12, Appl
33	89.5	2.8	1052	US-09-060-854B-7	Sequence 7, Appl1
34	89.5	2.8	1052	US-09-891-711-4	Sequence 4, Appl1
35	88.5	2.7	1202	US-09-864-761-43061	Sequence 43061, A
36	88	2.7	2000	US-10-010-901-29	Sequence 29, Appl
37	86.5	2.7	358	US-09-823-356-6	Sequence 6, Appl1
38	86.5	2.7	358	US-09-740-027-4	Sequence 4, Appl1
39	86	2.7	358	US-09-862-767A-6	Sequence 6, Appl1
40	86	2.7	773	US-09-815-242-11330	Sequence 11330, A
41	86	2.7	777	US-09-815-242-4894	Sequence 4894, Ap
42	86	2.7	914	US-09-815-242-10897	Sequence 10897, A
43	85	2.6	340	US-09-740-027-2	Sequence 2, Appl1
44	85	2.6	2923	US-09-788-711A-4	Sequence 4, Appl1
45	85	2.6	2956	US-09-788-711A-2	Sequence 2, Appl1

ALIGNMENTS

RESULT 1
US-10-054-680-4
; Sequence 4, Application US/10054680
; Patent No. US20020132998A1
; GENERAL INFORMATION:
; APPLICANT: Fiddle, Carl Johan
; APPLICANT: Hilbur, Erin
; TITLE OF INVENTION: Same
; TITLE OF INVENTION: Same
; FILE REFERENCE: LEX-0301-USA
; CURRENT APPLICATION NUMBER: US/10/054,680
; CURRENT FILING DATE: 2002-01-22
; PRIOR APPLICATION NUMBER: US 60/263,384
; PRIOR FILING DATE: 2001-01-23
; NUMBER OF SEQ ID NOS: 5
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 4
; LENGTH: 620
; TYPE: PRT
; ORGANISM: homo sapiens
US-10-054-680-4

Query Match 100.0%; Score 3228; DB 12; Length 620;
Best Local Similarity 100.0%; Pred. No. 37e-294; Indels 0; Gaps 0;
Matches 620; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
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DB 61 PIWYENBSLGKIRARVYFVALIYMFGLSVIINDRFASIEVITSQREYTIKPNKE 120
OY 121 TSTTIRVWNEVSNLTALGSSAPETILSIEVCGHGFINGDGPSTIVGSAFNMPI 180
DB 121 TSTTIRVWNEVSNLTALGSSAPETILSIEVCGHGFINGDGPSTIVGSAFNMPI 180
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DB 181 IIGICVYVIPDGETRIKILHARVFTTAAMSIFAYIMLYMIAVSPGVVQVVEGLLTLEF 240

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Db 241 FVPCVLLAVADKRLLEFYKMHKKYRTDKHGIILETGGDHPKGIEMDKMNSHFLDGN 300
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Db 301 LVPLEKEVEDESREMIIRILKDKQKHPKEDLDQVEMANYALSHQKSRAFYRIQATR 360
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      |||
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Db 361 MMTGAGNIIKKHAAEQAKKASSMSEVHTDEPEDFISKVFEDPCSYOCLENCGAVLLTVVR 420
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Db 421 KGGDSKMTYVVDKTEGDSANAGADYEFTGTVLKPGETOKEFVSGIIDDOLFEEDEHF 480
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Db 601 ADYGRRGQEDSHDKASIG 620
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RESULT 2
US-09-804-474A-2
; Sequence 2, Application US/09804474A
; Patent No. US20020119518A1
; GENERAL INFORMATION:
; APPLICANT: KODET, Stefan et al
; TITLE OF INVENTION: ISOLATED HUMAN TRANSPORTER PROTEINS,
; TITLE OF INVENTION: NOCLEIC ACID MOLECULES ENCODING HUMAN TRANSPORTER PROTEINS,
; FILE REFERENCE: AND USES THEREOF
; FILE REFERENCE: CLO000891
; CURRENT APPLICATION NUMBER: US/09/804,474A
; PRIORITY FILING DATE: 2001-03-13
; NUMBER OF SEQ ID NOS: 4
; SOFTWARE: FASTSEQ for Windows Version 4.0
; SEQ ID NO 2
; LENGTH: 921
; TYPE: PRT
; ORGANISM: Human
US-09-804-474A-2
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Query Match 95.8%; Score 3093; DB 10; Length 921;

Best Local Similarity 100.0%; Pred. No. 3e-281;

Matches 595; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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Db 541 VSEISIVMEVKVLRITSGANGTVIIPRTVEGTAKGGGEDEDTYGLEFRKNDETV 595
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RESULT 3
US-10-054-680-2
; Sequence 2, Application US/10054680
; Patent No. US2002013298A1
; GENERAL INFORMATION:
; APPLICANT: Fiddle, Carl Johan
; APPLICANT: Hilbun, Erin
; TITLE OF INVENTION: No. US2002013298A1 Human Ion Exchanger Proteins and Polynuc
; TITLE OF INVENTION: Same
; FILE REFERENCE: LEX-0301-USA
; CURRENT APPLICATION NUMBER: US/10/054,680
; PRIORITY FILING DATE: 2002-01-22
; PRIOR FILING DATE: 2001-01-23
; NUMBER OF SEQ ID NOS: 5
; SOFTWARE: FASTSEQ for Windows Version 4.0
; SEQ ID NO 2
; LENGTH: 921
; TYPE: PRT
; ORGANISM: homo sapiens
US-10-054-680-2
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Query Match 95.8%; Score 3093; DB 12; Length 921;

Best Local Similarity 100.0%; Pred. No. 3e-281;

Matches 595; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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Db 301 LVPLEKEVEDESREMIIRILKDKQKHPKEDLDQVEMANYALSHQKSRAFYRIQATR 360
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Db 421 KGGDSKTMVYDYKTEDGSANAGADYEFEFTGVVLKPGTOKEFSGIIDDIDFEEDEHF 480
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Db 481 FVRLSNVRIEEBQPEEGMPAIFNSLPLPRAVLASPCVATVITLDDHAGIFTFECDDTH 540
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Db 541 VSESIGVMEVKVLRSGARGTVIVPRVTEGTAKGGEDFEDTYGELFEKNDETV 595

RESULT 4

US-09-804-474A-4
; Sequence 4, Application US/09804474A
; Patent No. US20020119518A1
; GENERAL INFORMATION:
; APPLICANT: KODET, Stefan et al
; TITLE OF INVENTION: ISOLATED HUMAN TRANSPORTER PROTEINS,
; TITLE OF INVENTION: NUCLEIC ACID MOLECULES ENCODING HUMAN TRANSPORTER PROTEINS,
; FILE REFERENCE: AND USES THEREOF
; FILE REFERENCE: CLO00891
; CURRENT APPLICATION NUMBER: US/09/804,474A
; NUMBER OF SEQ ID NOS: 4
; SOFTWARE: FASTSEQ for Windows Version 4.0
; SEQ ID NO 4
; LENGTH: 927
; TYPE: PRT
; ORGANISM: Rat
US-09-804-474A-4

Query Match

Best Local Similarity 93.4%; Score 3016; DB 10; Length 927;
Matches 578; Conservative 8; Mismatches 9; Indels 0; Gaps 0;

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Db 1 MAMLRLOPLTSAFLHFGVLTFLVFLNGLAERAGDLRDPASQNNESGSSDCKEGVYL 60
Qy 61 PIWYENPSLGDKIARIVYFVALIYMFGLVSIIDRFMASTEVITSOERETVTKKPGE 120
Db 61 PIWYENPSLGDKIARIVYFVALIYMFGLVSIIDRFMASTEVITSOERETVTKKPGE 120
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Db 121 TSTTIRVWNETVSNLTLMALGSSAPEILLLEVCGHGFIAGDLGPSTIVGSAFNMFI 180
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Db 181 IITGIVYVYIPGGETRIKIKHLRFETITAAWSIFAYITWILAVSPGVVOWEGLTLTF 240
Qy 241 IIGICVYVYIPGGETRIKIKHLRFETITAAWSIFAYITWILAVSPGVVOWEGLTLTF 240
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Db 241 FPPVCVLLAMVADKRLFLFYKYMHKKRYRTDKHKGIIIEGSDHPKGIEMDGKMNNSHFLDGN 300
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Db 301 LVPLEGGKESVDSRRMIRILDKOKHPEKDLQLEMANANYALSHOOKSRAFYRIQATR 360
Qy 361 MMTGAGNLLKHAADAKKASSMSSEVHTDEPDEFTISKVEFFDCSYOCLENGCAVLLTVR 420
Db 361 MMTGAGNLLKHAADAKKASSMSSEVHTDEPDEFTISKVEFFDCSYOCLENGCAVLLTVR 420
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Db 481 FVRLSNVRIEEBQLEBGMTPALNLSLPLRAVLASPCVATVITLDDHAGIFTFECDDTH 540
Qy 541 VSESIGVMEVKVLRSGARGTVIVPRVTEGTAKGGEDFEDTYGELFEKNDETV 595
Db 541 VSESIGVMEVKVLRSGARGTVIVPRVTEGTAKGGEDFEDTYGELFEKNDETV 595

RESULT 5

US-09-901-419-2
; Sequence 2, Application US/09901419
; Patent No. US20020069421A1
; GENERAL INFORMATION:
; APPLICANT: The Curators of the University of Missouri
; TITLE OF INVENTION: LARGE SCALE EXPRESSION AND PURIFICATION OF RECOMBINANT
; FILE REFERENCE: UMO1531.1
; CURRENT APPLICATION NUMBER: US/09/901,419
; CURRENT FILING DATE: 2001-07-09
; PRIOR APPLICATION NUMBER: 60/216,125
; NUMBER OF SEQ ID NOS: 2
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 2
; LENGTH: 970
; TYPE: PRT
; ORGANISM: Bos taurus
US-09-901-419-2

Query Match

Best Local Similarity 66.5%; Score 2147.5; DB 10; Length 970;
Matches 422; Conservative 74; Mismatches 91; Indels 21; Gaps 8;

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Db 59 ILPIWYENPSLGDKIARIVYFVALIYMFGLVSIIDRFMASTEVITSOERETVTKKPGE 118
Qy 117 GETTCTTVIRWNETVSNLTLMALGSSAPEILLLEVCGHGFIAGDLGPSTIVGSAFNMFI 176
Db 117 GETTCTTVIRWNETVSNLTLMALGSSAPEILLLEVCGHGFIAGDLGPSTIVGSAFNMFI 176
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Db 408 LENCAGVLLTVRKGDSKTMVYDYKTEDGSANAGADYEFEFTGVVLKPGTOKEFSGIIDDIDFEEDEHF 467
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Db 528 NAGITFECDDTHVSESIGVMEVKVLRSGARGTVIVPRVTEGTAKGGEDFEDTYGELFEKNDETV 587
Qy 588 EFKNDETV 595
Db 588 EFKNDETV 595

[illegible]

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